



June 17, 2005

Supplement to SAR Test Report for Motorola portable cellular phone (FCC ID IHDT56FK1)

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## Summary of FCC request for additional information

There was a request for additional information regarding Motorola's SAR Test Report for Motorola portable cellular phone (FCC ID IHDT56FK1). The requested information is addressed below in the same numbering sequence received.

4) SAR report pg 15 says "SAR distribution comparison" - how are "distributions" compared and to what?

**Response:** The plots in the Appendix 1 show SAR distribution of a given scan performed for system accuracy verification. The SAR value derived from this distribution is compared per IEEE 1528 to the target value of a standard dipole in the table on page 6.

5) Please describe held-to-head and body-worn BT & part 22/24 simultaneous transmission operating modes if any, and how SAR was evaluated for these, or give pointer to filing location if info is already there.

**Response:** The phone is capable of using Bluetooth as a primary transmitting mode, without any GSM/GPRS transmitting. For this mode, SAR measurements are performed with the phone in the head and body-worn positions with only the Bluetooth transmitting.

The phone is also capable of simultaneous transmission of a GSM/GPRS mode and Bluetooth mode. The intent of the simultaneous transmission is to maintain: a GSM call while connected to a Bluetooth accessory – such as a Bluetooth headset, or a GPRS connection while connected to a Bluetooth accessory – such as a handheld PDA. In both of these conditions the phone is intended to be positioned in a body-worn configuration. For SAR evaluation, the SAR value for the body-worn tests performed only in Bluetooth mode is added to the SAR value of the body-worn tests performed only in GSM or GPRS mode. The sum represents the GSM or GPRS as the primary transmitter and the Bluetooth collocated transmitting. A sum of the GSM and Bluetooth value would represent an overestimate of the SAR for a simultaneous transmitting condition since these maxima don't occur in the same location on the phone.